

Grant R. Clayton  
Alan J. Howarth, Ph. D.  
Karl R. Cannon  
Clifford B. Vaterlaus  
Terrence J. Edwards  
Brett J. Davis  
Registered Patent Attorneys

Intellectual Property Law  
Patents • Trademarks  
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Computer Law • Biotechnology  
Unfair Competition • Enforcement

13049 U.S. PTO

# Clayton, Howarth & Cannon

## CHC

*Attorneys At Law • A Professional Corporation*

Attorney Docket No. T10025.DIV

**Mailing Address**  
P.O. Box 1909  
Sandy, Utah 84091

**Physical Address**  
1225 East Fort Union Boulevard  
Suite 300  
Midvale, Utah 84047

Phone: (801) 255-5335  
Facsimile: (801) 255-5338  
Home Page: [www.chcpat.com](http://www.chcpat.com)  
General E-mail: [patlaw@chcpat.com](mailto:patlaw@chcpat.com)

February 19, 2004

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a patent application entitled  
VARIABLE DISPLACEMENT ENGINE comprising:

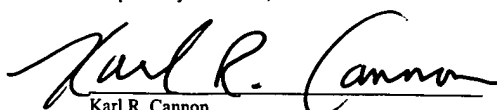
- X  A continuing application as indicated below:
- Continuation of prior application no. \_\_\_\_\_, filed  
\*\*\*[date]\*\*\*, which is hereby incorporated by reference in the enclosed  
application in its entirety.
- This continuation constitutes the enclosed true and complete copy of  
said prior application, together with any instructions or amendments  
provided herein or herewith.
- X  Divisional of prior application no. 10/302,595, filed November 25, 2002,  
which claims the benefit of U.S. Provisional Application No. 60/425,110,  
filed November 7, 2002, which are hereby incorporated by reference in the  
enclosed application in their entireties.
- X  This divisional constitutes the enclosed true and complete copy of  
said prior application, together with any instructions or amendments  
provided herein or herewith.
- Continuation-in-part of prior application no. \_\_\_\_\_, filed  
\*\*\*[date]\*\*\*, which is hereby incorporated by reference in the enclosed  
application in its entirety.

CERTIFICATE OF MAILING BY EXPRESS MAIL LABEL NO. EV302977066 US

Mailed: February 19, 2004

I hereby certify that this correspondence, and all enclosures indicated, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450.

Respectfully submitted,

  
Karl R. Cannon  
Attorney Registration No. 36,468  
Attorney for Applicant

22387 U.S. PTO  
10/783881  
021904

- ☐ A patent application claiming the benefit of U.S. Provisional Application No. \*\*/\*\*, filed \*\*[date]\*\*, which is hereby incorporated by reference in the enclosed application in its entirety.
- ☒ Eighty-two (82) pages of specification, claims and abstract.
- ☒ Thirty-seven (37) sheets of informal and thirty-seven (37) sheets of formal drawings.
- ☒ Declaration, Power of Attorney and Petition.
  - ☐ Newly Executed
  - ☒ Copy from prior application (when a continuation or divisional) (37 C.F.R. § 1.63(d))
  - ☐ Associate or Substitute Power of Attorney
- ☐ Microfiche Computer Program (Appendix)
- ☐ Nucleotide and/or Amino Acid Sequence Submission
  - ☐ Computer Readable Copy
  - ☐ Paper Copy (identical to computer readable copy)
  - ☐ Statement verifying identity of above referenced copies

Also enclosed are:

- ☒ An Assignment from Bret J. Park to PowerVantage Engines, Inc. (including assignment cover sheet)
- ☒ An Information Disclosure Statement under 37 C.F.R. §1.97 accompanied by a Form PTO-1449.
- ☒ A Preliminary Amendment, and the fee calculation set forth below is based upon the claims as constituted by said amendment.
- ☒ A return receipt postcard under MPEP § 503, indicating specially itemized enclosures.
- ☒ A Certificate Under 37 C.F.R. §3.73(b) to Establish Right of Assignee to Take Action (copy from prior application).
- ☒ A Certificate of Express Mailing certifying a filing date of February 19, 2004 by use of Express Mail Label No. EV 302977066 US.

- ☐ A Declaration Claiming Small Entity Status for \*\*\*[independent inventor, etc.]\*\*\*, under 37 C.F.R. §§ 1.9 and 1.27.
- ☐ A paper entitled "Establishment of Small Entity Status" under 37 C.F.R. § 1.28(a), along with a copy of the declaration claiming small entity status under 37 C.F.R. §§ 1.9 and 1.27 filed in the prior application.
- ☐ Certified copy of priority document(s) (if foreign priority is claimed).
- ☐ A Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i).
- ☐ A copy of the extension of time simultaneously filed in the prior application.

Instructions and Averments:

- ☐ Incorporation by Reference (if a copy of the declaration from prior application is included). The entire disclosure of the prior application, from which a copy of the declaration is supplied herewith as referenced above, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- ☒ A Declaration Claiming Small Entity Status was filed in the prior application and such status is still proper and desired.
- ☒ Cancel in this application original claims 1-153 and 205-208 of the prior application before calculating the filing fee.
- ☐ Pursuant to 37 C.F.R. § 1.78(a)(2), please amend the specification as follows:

FEES

- ☐ No Fees are enclosed.
- ☒ Check No. 7225 in the amount of \$704.00 which represents the filing fee for this application.

The fees have been calculated as set forth below.

PATENT APPLICATION FEE CALCULATION TABLE							
			SMALL ENTITY			LARGE ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE				\$ 385	OR		\$ 770
TOTAL CLAIMS	51 - 20 =	31	X 9 =	\$ 279	OR	X 18 =	\$
IND. CLAIMS	03 - 03 =	0	X 43 =	\$ 0	OR	X 86 =	\$
Presentation of Multiple Dependent Claims			+ 145 =	\$	OR	+ 290 =	\$
ASSIGNMENT RECORDATION FEE ( )			+ 40 =	\$ 40	OR	+ 40 =	\$
			<b>TOTAL:</b>	\$ 704	OR	<b>TOTAL:</b>	\$

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication, if indicated by a marking below in the blank line corresponding to said fees, or credit any overpayment, to Deposit Account No. 50-0836.

☐ An original and one copy of this letter are enclosed.

☒ Any additional filing fees required under 37 C.F.R. § 1.16.

☐ Any patent application processing fees under 37 C.F.R. § 1.17.

The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application, if indicated by a marking below in the blank line corresponding to said fees, or credit any overpayment, to Deposit Account No. 50-0836.

☒ Any patent application processing fees under 37 C.F.R. § 1.17.

☐ The issue fee set forth in 37 C.F.R. § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b).

☒ Any filing fees under 37 C.F.R. § 1.16 for presentation of extra claims.

CORRESPONDENCE ADDRESS

X Please address all future correspondence to:

Customer No. 20449

X Please direct all future telecommunications to:

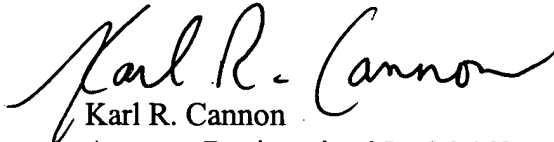
Karl R. Cannon  
Clayton, Howarth & Cannon, P.C.  
Telephone: (801) 255-5335  
Facsimile: (801) 255-5338

X Please refer to the following attorney docket number in all future correspondence and telecommunications:

T10025.DIV

Dated this 19 day of February, 2004.

Respectfully submitted,

  
Karl R. Cannon

Attorney Registration No. 36,468  
Attorney for Applicant

Clayton, Howarth & Cannon, P.C.  
P.O. Box 1909  
Sandy, Utah 84091

KRC/CBV/tet  
Enclosures